NEWFOUNDLAND AND LABRADOR MATHEMATICS 3200 · UNIT A · 5 QUESTIONS

Function Transformations — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The point (8, -2) lies on the graph of f . Under y = f(2x) , its image is**

- A (16, -2)
- B (4, -2)
- C (8, -4)
- D (4, 2)

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2 **The range of $y = 2(x - 1)^2 + 7$ is**

- A $y \geq 7$
- B $y \leq 7$
- C $y \geq -7$
- D $y \leq 0$

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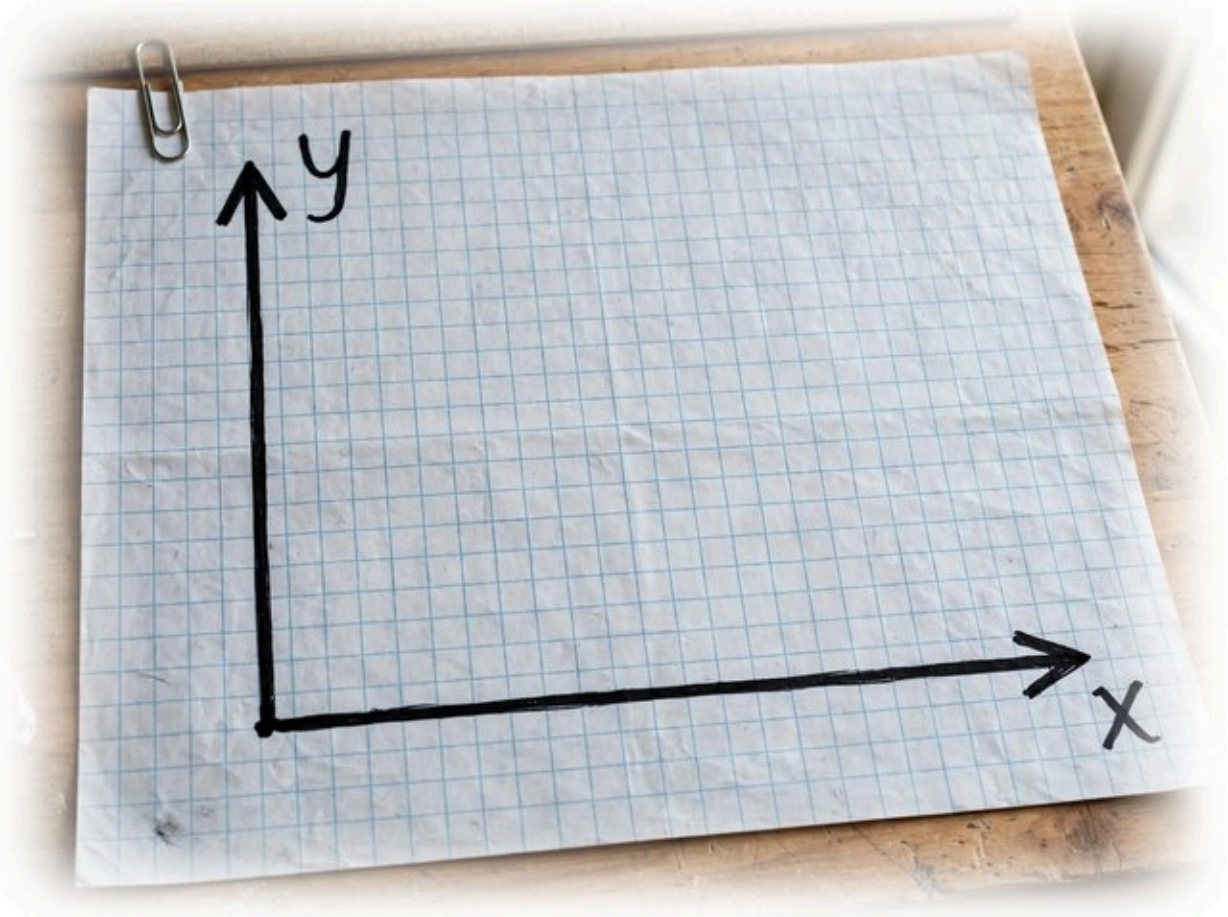
3 **A coordinate grid with bold x and y axes on graph paper. The point (5, 1) lies on the graph of f . Under y = 3f(x + -3) - -2 , the image has y coordinate**



ANSWER

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4 The point (-4, 5) lies on the graph of f . Under y = f(4x) , its image is

- A (-16, 5)
- B (-4, 20)
- C (-1, 5)
- D (-1, -5)

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5 The range of $y = -3(x + 2)^2 + 5$ is

- A $y \geq 5$
- B $y \leq 5$
- C $y \geq -5$
- D $y \leq 0$

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ANSWER KEY

1. B
2. A
3. 5
4. C
5. B

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